

Date: Sat, 29 Jan 94 07:02:23 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
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Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #86  
To: Info-Hams

Info-Hams Digest                      Sat, 29 Jan 94                      Volume 94 : Issue    86

Today's Topics:

    1/94 ARRL Directors Mtg Minutes (Long)  
        10meters, anyone want to try it?  
        call book typo... sorry  
    DSP-9 Filters (and others) -- New Thread  
        help with ft690r  
        No-Code Tec. license

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Problems you can't solve otherwise to brian@ucsd.edu.

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(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Sat, 29 Jan 1994 00:49:05 GMT  
From: netcomsv!netcom.com!marcbg@decwrl.dec.com  
Subject: 1/94 ARRL Directors Mtg Minutes (Long)  
To: info-hams@ucsd.edu

                                1994 Annual Meeting,  
Board of Directors  
                                The American Radio Relay League  
                                January 21-22, 1994

Summary Agenda

1. Roll Call
2. Moment of Silence
3. Consideration of the Agenda for the meeting
4. Approval of the Minutes of the 1993 Second Meeting
5. Reports by the Officers
6. Election of Officers

7. Election of the Executive Committee
8. Election of ARRL Foundation Directors
9. Receive reports and consider recommendations of the committees
10. Report of the Host Director, 1994 ARRL National Convention
11. Appointment of Committees
12. Directors' motions
13. Authorizations for certain administrative expenses

1. Pursuant to due notice, the Board of Directors of the American Radio Relay League, Inc., met in annual session at the Hartford Marriott Hotel, Rocky Hill, CT on Friday, January 21, 1994. The meeting was called to order at 8:30 AM EST with President George S. Wilson III, W40YI, in the Chair and the following directors present:

\* Kay C. Craigie, WT3P, Atlantic Division  
Edmond A. Metzger, W9PRN, Central Division  
Tod Olson, K0TO, Dakota Division  
Joel M. Harrison, WB5IGF, Delta Division  
Allan L. Severson, AB8P, Great Lakes Division  
Stephen A. Mendelsohn, WA2DHF, Hudson Division  
Lew Gordon, K4VX, Midwest Division  
William Burden, WB1BRE, New England Division  
Mary Lewis, W7QGP, Northwestern Division  
Brad Wyatt, K6WR, Pacific Division  
John C. Kanode, N4MM, Roanoke Division  
Marshall Quiat, AG0X, Rocky Mountain Division  
Frank M. Butler, W4RH, Southeastern Division  
Fried Heyn, WA6WZO, Southwestern Division  
Tom Comstock, N5TC, West Gulf Division

\*Vice Director, in the seat for Hugh A. Turnbull, W3ABC, Director.

Also present as members of the Board without vote were Rodney J. Stafford, KB6ZV, First Vice President; Jay A. Holladay, W6EJJ, Vice President; Tom Frenaye, K1KI, Vice President; Larry E. Price, W4RA, International Affairs Vice President; Treasurer James McCobb, Jr., K1LLU; and David Sumner, K1ZZ, Executive Vice President. Chief Financial Officer Barry J. Shelley was present in his capacity as an officer of the corporation.

Also in attendance at the invitation of the Board as observers were the following Vice Directors: Howard Huntington, K9KM, Central Division; Hans Brakob, K0HB, Dakota Division; Rick Roderick, K5UR, Delta Division; George E. Race, WB8BGY, Great Lakes Division; Paul Vydareny, WB2VUK, Hudson Division; Bruce Frahm, K0BJ, Midwest Division; Warren Rothberg, WB1HBB, New

England Division; Mary Lou Brown, NM7N, Northwestern Division; Jim Maxwell, W6CF, Pacific Division; C. Dennis Bodson, W4PWF, Roanoke Division; Bob Scupp, WB5YYX, Rocky Mountain Division; Evelyn Gauzens, W4WYR, Southeastern Division; and Art Goddard W6XD, Southwestern Division. There were also present General Counsel Christopher D. Imlay, N3AKD; Past Director Howard Mark, W00ZC; Publications Manager Mark J. Wilson, AA2Z; Membership Services Manager Charles L. Hutchinson, K8CH; Field Services Manager Richard K. Palm, K1CE; Technical Relations Manager Paul Rinaldo, W4RI; Public Information Manager Steve Mansfield, N1MZA; and Perry Williams, W1UED, Washington Area Coordinator.

2. The assembly observed a moment of silence in recollection of Radio Amateurs who have passed away since the previous Board meeting, especially John A. Anastas, KJ4EK, Vern Chambers, W1JEQ, Creed Chorpeneing, W4TZ, Lloyd Colvin, W6KG, Bill Harvey, WA6RXI, Irv Emig, W6GC, Clifford L. Kitts, KD4TZ, Glenn Koropp, W6YFW, Ted Heithecker, W5EJ, Donald Johnson, W6QIE, Sidney T. Kitrell, W0LYM, Tom McMullen, W1SL, Art Milne, G2MI, Jane W. Rhodes, N4PNL, and Jack Ryder, K4IHX.

3. The Chair introduced Past Vice President and Dakota Director Tod Olson, K0TO, returning to the Board after an absence; Mr. Olson introduced his new Vice Director, Hans Brakob, K0HB. The Chair introduced new Midwest Director Lew Gordon, K4VX; Mr. Gordon introduced his new Vice Director Bruce Frahm, K0BJ. The Chair introduced Pacific Director Brad Wyatt, K6WR, moving up from the Vice Director seat; Mr. Wyatt introduced his new Vice Director, Jim Maxwell, W6CF. Apologies for absence were offered for Atlantic Director Hugh Turnbull, W3ABC and West Gulf Division Vice Director Sam Sitton, KV5X, for each because of illness in the family.

4. On motion of Mr. Mendelsohn, seconded by Mr. Kanode, the agenda was ADOPTED as presented.

5. On motion of Mr. Harrison, seconded by Mr. Butler, the minutes of the 1993 Second Meeting were ADOPTED as presented.

6. At this point the Officers presented their annual reports and commented briefly on their recent activities. President Wilson's comprehensive report covered, inter alia, ARRL readiness for electronic filing of license data as soon as the FCC is ready; the League's aid to AMSAT for Phase 3D fundraising; the amateur-radio enforcement activities of FCC in 1993, usually with assistance of the Amateur Auxiliary; the negotiated amendment of FCC Rule 97.113, putting common sense into communications for public events; another rules-change bringing Novice exams into

the VE system (without charge so far as the ARRL-VEC is concerned); FCC preemption of local ordinances inhibiting ham use of transceivers that could incidentally receive public service frequencies; much effort, behind the scenes and publicly, to restore club station licensing and provide for choice of call signs by amateurs; ARRL opposition to a "Quiet Zone" for all of Puerto Rico; the League's proposal for additional callsign blocks in Puerto Rico, Hawaii and Alaska; continued efforts to reach compromise rulemaking for autoforwarding of digital messages on HF; the rulemaking docket clarifying responsibility for automatic transmission of data messages as "Originator and First Forwarder"; efforts to assure that Government plans for wind profilers at 449 MHz would accommodate continued amateur use of the band; ARRL defense of the 902-928 MHz band as against an FCC rulemaking to expand the "Automatic Vehicle Monitoring" service there; the current rulemaking to provide amateurs with a secondary allocation from 219-220 MHz under certain restrictions; the FCC idea of "instant licenses" with self-assigned call signs for first-time licensees and ARRL's counter proposal that electronic filing is better; and finally, ARRL's legislative success in staving off administrative fees for amateurs, providing the basis for vanity call signs, adding protective phrases to the frequency give-back and auction bills and introduction of S.J.Res.90, H.J.Res.199 and H.R.2623.

7. In his report, First Vice President Stafford focused strongly on the growth of the Amateur Radio Service, particularly in Technician Class licensees, and the need for ARRL activities to attract this group. Mr. Stafford also reported on his service on the Long Range Planning Committee (LRPC), of which he is chairman, the Industry Advisory Council and the Administration and Finance Committee; and his attendance at the Region 1 Conference of the International Amateur Radio Union (IARU) in Belgium. Vice President Holladay covered his work with the LRPC effort including his support for the concept of a retreat where the League leadership can consider the issues raised by the LRPC; as a member of the Volunteer Resources Committee (VRC); his interest in local antenna cases, focused on obtaining a more reasonable set of regulations from the County of Los Angeles; and as Board liaison to the Shuttle Amateur Radio Experiment (SAREX) Working Group. The tenth year of Amateur Radio operation from the Space Shuttle was highlighted by four SAREX missions and a great deal of favorable publicity for Amateur Radio. Next, Vice President Frenaye marked his membership on the Membership Services and Computer Committees, the ARRL Foundation Board, and the LRPC, especially focussing on the latter group's studies of delivering services to both HF and VHF communities. He remarked

on the generosity of the League over the years in providing services to members and non-members alike; it may be time for review of our services to define which should continue open and which should be restricted to members. International Affairs Vice President Price summarized his travel as IARU Secretary to the International Red Cross, Geneva; IARU Region 2 Executive Committee meeting, Guayaquil, and government offices in Quito, both Ecuador; IARU Region 1 meeting, DeHaan and IARU Administrative Council meeting, Brussels, both Belgium; and the Radiocommunication Assembly of the International Telecommunication Union (ITU) and the ITU's first World Radiocommunication Conference (WRC-93) replacing the old WARCs, both Geneva. Travel under ARRL's banner included the last meeting of the Canadian Radio Relay League and the first of the Radio Amateurs of Canada in Toronto; and hamfests/conventions at Friedrichshafen, Germany, Miami, Orlando, Little Rock, Dayton, Manchester NH, and Memphis, and the ARRL National Convention in Huntsville, AL. He also participated in meetings of the Ad Hoc Committee on ARRL National Conventions, the Executive Committee, and the LRPC. Treasurer McCobb's report analyzed the performance of the League's investment portfolio and the market in general. The \$8.5 million (market value, \$9.1 million, an excess of 7% over book value) portfolio is invested 39% in stocks, 61% in bonds, yielding annualized dividends and interest of \$509,500 in the aggregate. Sales from the portfolio were limited, and brought in a realized net gain of \$72,000. In the marketplace as a whole, bond rates fell during the year, and remain low but somewhat volatile. The stock market rose during 1993, with the Dow Jones Industrial index at 3754, up 453 points or 14% over the end of 1992.

8. Executive Vice President Sumner's report opened with a nutshell characterization of the year: relative calm, moderate membership growth, modest success in new ventures, and a gradually emerging picture of what Amateur Radio will be like around the turn of the century and what kind of ARRL will be needed to serve it. An important tool in that process is the Readex survey of 1992. The staff Survey Task Force focused sharply on two areas: studies of ten potential projects aimed at recruiting and retaining members especially from the ranks of new hams, and response to two trends having significant implications for the ARRL -- (1) a growing majority of radio amateurs whose interest in Amateur Radio is locally focused, and (2) a growing diversity of interest groups, each competing for scarce resources from the ARRL. The LRPC has recommended that the Board hold a planning retreat later this spring to discuss such issues without the harness of a business-driven agenda. Turning to Washington Office activities, Paul Rinaldo chaired a meeting of an ITU Task

Group in Geneva, on wind profiler radars; Director Butler also attended the meeting, on behalf of the IARU. The Geneva meeting produced a report to WRC-97, the World Radiocommunication Conference at which wind profiler radar allocations will be considered. Rinaldo also chaired monthly US preparatory meetings, primarily of government agencies having an interest in wind profiler radars, and other monthly meetings with the National Telecommunications and Information Administration (NTIA) on coordination of wind profiler radar sites with the ARRL to avoid interference problems with repeaters at 448-450 MHz. Rinaldo also participated in US preparatory meetings for the ITU Voluntary Group of Experts charged with simplifying the Radio Regulations. International meetings of the VGE in Geneva are covered by Wojciech Nietyksza, SP5FM, on behalf of IARU. The final VGE meeting will be held in late February/early March 1994. Thus far, we have been able to head off any recommendations that could adversely affect the amateur services. International Affairs Vice President Price and Rinaldo attended WRC-93 as members of the IARU and US delegations respectively. The sole purpose of this WRC was to set the agendas for WRCs 95 and 97. Rinaldo and two IARU Region 2 officials also attended meetings of the Interamerican Telecommunication Council (CITEL), the regional telecommunications organization for Region 2. The CITEL approved a resolution concerning the creation of an International Amateur Radio Permit (IARP). The next step is to design a permit and necessary procedures, and to present it at the next CITEL committee meeting in 1994. Meanwhile, some progress, albeit slow, is being made toward the US becoming a signatory to the common license agreement adopted by the European Conference of Postal and Telecommunications Administrations (CEPT) which would permit US amateurs to operate in CEPT countries (and vice versa) without the need for issuance of a temporary license. Turning now to US matters closed. Whereupon, the Chair declared Mr. Sumner elected as Secretary. (Applause)

20. The Chair opened nominations for the office of Treasurer. Mr. Severson nominated Mr. McCobb. On motion of Mr. Quiat, seconded by Mr. Harrison, it was VOTED that nominations are closed. Whereupon, the Chair declared Mr. McCobb elected as Treasurer. (Applause)

21. The Chair opened nominations for the office of Executive Vice President. Mr. Butler nominated Mr. Sumner. On motion of Mr. Harrison, seconded by Mr. Severson, it was VOTED that nominations are closed. Whereupon, the Chair declared Mr. Sumner elected as Executive Vice President. (Applause)

22. The Chair opened nominations for the office of Chief

Financial Officer. Mr. Severson nominated Mr. Shelley. On motion of Mr. Kanode, seconded by Mr. Metzger, it was VOTED that nominations are closed. Whereupon, the Chair declared Mr. Shelley elected as Chief Financial Officer. (Applause)

23. The Chair opened nominations for Director members of the Executive Committee for one-year terms. Mr. Kanode nominated Mr. Severson. Mr. Quiat nominated Mr. Butler. Mr. Butler nominated Mr. Quiat. Mr. Harrison nominated Mr. Mendelsohn. Mr. Mendelsohn nominated Mr. Harrison. On motion of Mr. Olson, seconded by Mr. Burden, it was VOTED that nominations are closed. The Tellers found that Messrs. Harrison, Mendelsohn. and Quiat were elected on the first ballot, and Mr. Severson on the second ballot. (Applause)

24. The Chair opened nominations for Directors of the ARRL Foundation. Mr. Metzger nominated the slate of Mr. Frenaye, Roger W. Franke, K9AYK and Mr. Comstock for three year terms, and Mr. Quiat for a two year term. On motion of Mr. Mendelsohn, seconded by Mrs. Lewis, it was VOTED that nominations are closed. Whereupon, the Chair declared Messrs. Frenaye, Franke, Comstock and Quiat elected as Directors of the ARRL Foundation. (Applause.) During the course of the above elections, Mr. McCobb left the meeting because of a business commitment.

25. Mr. Severson, as Chairman, presented the report of the Administration and Finance Committee. The Committee held three meetings since the Second Meeting of the Board in July as detailed in Minutes which have been distributed. Much time was devoted to the report of the Computer Committee on information services at HQ, and to the 1994-1995 plan which will be presented to the Board for adoption later in the meeting. On his motion, seconded by Mr. Burden, it was VOTED that the 1993 budget for the Midwest Division be amended to \$8,888; an increase of \$1,888. On his further motion, seconded by Mr. Comstock, it was VOTED that the 1993 budget for the Delta Division be amended to \$13,053; an increase of \$3,553.

26. Mr. Kanode, as Chairman, presented the report of the Membership Services Committee. This Committee also had three meetings since the July Board meeting. Mr. Kanode called attention to three items. The success of the new Official Family Operating Event will depend on the "Official Family" and the Field Organization getting on the air to operate in the event, and on QSLing with the Official Family cards. A new DXCC fee schedule appeared in the December issue of QST. Further expansion of the DXCC Field Checking program should wait until the new DXCC computer system is in place. Similarly, additional

forms of DXCC should also wait until the computer upgrades are on line.

27. Mr. Butler, as vice chairman, presented the report of the Volunteer Resources Committee. VRC held two meetings in the period, and Minutes have been issued. Chairman McConnell highlighted several items in the report. National Exam Day for 1993 was regarded as a success, and the Committee recommended a continuation. Accordingly, two such days have been scheduled for 1994, in May and October. The task of recruiting additional volunteer examiners for Alaska continues. Terms of reference for the ARRL education awards have been revised with three awards for 1994: the Herb S. Brier Instructor of the Year, the ARRL Professional Instructor of the Year, and the ARRL Professional Educator of the Year. A list of materials available to members has been compileommended.

Because the plan for this band is use for inter-city links which can be assembled into a nationwide high-speed digital network, allocation of channels to point-to-point pairs running less than 56 Kilobits duplex should be discouraged. No matter what the bandwidth of the transmissions coordinated into a channel, they should be centered in the channel. The long term objective for digital transmission on these channels is 100 KHz bandwidth. Local Coordinating Bodies should seek to avoid decisions which will limit the nationwide network.

35. Mr. Mendelsohn, as Chairman, presented the interim report of the Ad Hoc Committee on Vanity Call Signs, formed in response to the FCC Notice of Proposed Rulemaking in PR Docket 93-305. The Committee's charge is to recommend a position on vanity call signs to the Board of Directors by mid-February. As much membership input as possible is to be sought. Based on input so far, the Committee suggests the vanity call sign system should be phased in with a series of four three-month windows before opening the system to all. Previously held call signs regardless of license class, format or call district should be available first. The second, third and fourth windows would be by license class to Extra Class, then Advanced, and then General. At the end of one year, any licensed amateur would be eligible for any call within his call area and license class blocks, or a lower class block. The fee should be a one-time occurrence, and should be refunded if none of the call signs on the application are available. Calls should be held for two years after expiration or trade-in, and should not be transferable; these measures should help preclude "trafficking" in call signs. If necessary, an in-person meeting of committee members will take place February 12 in the Dallas-Fort Worth area.

36. At this point, 2:45 PM, Mr. Wilson returned to the Chair. Mr. Price, as



Liaison, reported for the Biological Effects Committee; no formal report had been received from the chairman. The Board was in recess from 3:18 to 3:44 PM; Mr. Scupp took the seat for Mr. Quiat.

37. On motion of Mr. Severson, seconded by Mr. Burden, it was VOTED that the 1994-1995 Plan and Budget is adopted as presented to the Board by the Administration and Finance Committee.

38. Mr. Scupp, as Liaison, presented the report of the Public Relations Committee. Highlights: Tech Image replaced Selz Seabolt as the ARRL's PR firm, though many of the personnel involved are the same. ARRL's publicity efforts scored more than 100 major media hits and more than 25 major market television placements including an NBC story on SAREX and "Santa Ham" on CNN. The Associated Press picked up five stories, USA Today picked up two, and there were placements in at least 25 major metropolitan dailies. ARRL produced and began duplication of two public service announcements as reported by the Executive Vice President. With Steve Mansfield taking over the legislative function there will be a need for an additional PR person at HQ, to work under Steve's supervision. On motion of Mr. Severson, seconded by Mr. Scupp, it was VOTED that the Public Relations Committee Report is accepted. At this point, 3:49 PM, Mr. Quiat returned to his seat.

39. Mr. Stafford, as Chairman, presented the extensive report of the Long Range Planning Committee. The report summarized previous recommendations of the LRPC and actions taken by the ARRL as a result. The report set forth the assumptions made by the Committee, covered demographics, summarized interests of amateurs within the avocation, noted technologies which are emerging, touched on international and spectrum issues, predicted "The Regulatory Scene in the Year 2000" and closed with a vision of Amateur Radio and a summary of ARRL objectives. The LRPC recommends that a planning retreat be scheduled for the Board in the spring of 1994 to mull over these issues, without having to meet League, in Annual Meeting assembled, on this day, January 22, 1994, that the Board does hereby express its deepest appreciation and gratitude to Perry F. Williams, W1UED, for his many contributions to Amateur Radio and the League; and

BE IT FURTHER RESOLVED that the Board extends its warmest personal wishes for a long, enjoyable, and productive retirement. (Applause and standing ovation)

76. On motion of Mr. Mendelsohn, again seconded by the entire group, it was unanimously VOTED that the Board assembled in Annual Meeting at Rocky Hill, Connecticut on this 22nd day of January, 1994, thanks Lisa DeLude, Perry Williams, Rick Palm, Chuck Hutchinson, Steve Mansfield and Mark Wilson for their key support in making this Board Meeting a great success. (Applause).

77. At this point, an opportunity was given for every member of the assembly to offer comments. There being no further business, the Board adjourned sine die at 12:45 PM. (Time in session as a Board 9 hours and 28 minutes: as a Committee of the Whole: 1 hour and 6 minutes; total direct authorizations: \$293,441.)

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Marc B. Grant                fax 214-231-3998  
marcbg@netcom.com        Amateur Radio N5MEI  
marcbg@esy.com            Richardson, TX

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Date: Wed, 26 Jan 94 21:44:54 -0500  
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
noc.near.net!news.delphi.com!usenet@network.ucsd.edu  
Subject: 10meters, anyone want to try it?  
To: info-hams@ucsd.edu

Jeffrey R. Luszcz <jrl2@crux1.cit.cornell.edu> writes:

> I just got my HF privs, and was wondering if there  
>are any nets or clubs operating on 10m now? I heard  
>Costa Rica and Phenoex,Az this afternoon from Ithaca,NY  
>.. I was wondering if there are any freqs that people  
>normally listen to for contacts?

Jeff -- There is really no "calling frequency" on 10 meters, although some people occasionally try to set one up. Just get on and call CQ, or answer someone else who is doing so. There are still a lot of 10 meter nets around, especially with the 10-10 chapters, but propagation is so unpredictable that it's tough to say what ones you could contact. If you hear a net that sounds interesting, don't hesitate to jump in -- you can wait until they ask for check-ins, or just give your callsign at a break in the conversation.

You'll find a lot of action next summer, when sporadic-E propagation returns on a regular basis. You won't work a lot of DX on this mode, but you can work all over the U.S. and Canada. I hope we run into each other, since New York is one of the few states I still need on 10 meters. We're too far for ground-wave, but too close except for very strong sporadic-E openings. And since I operate 100 watts into a wire antenna, back-scatter is pretty tough.

Congratulations on the upgrade, and I hope to see you on 40 or 80 meter CW!

73 de Lee/KE3FB in Md.  
leevankoten@delphi.com

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Date: 29 Jan 94 12:12:05 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: call book typo... sorry  
To: info-hams@ucsd.edu

I made a mistake on my end here, BAD typo! The correct address should be:

cs.buffalo.edu 2000                      or 128.205.32.2

again, the word 'callsign' was not needed here. sorry for the trouble.

73 to all - shawn  
N3CGT

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Date: Thu, 27 Jan 1994 13:39:12 GMT  
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!paladin.american.edu!  
darwin.sura.net!perot.mtsu.edu!raider!theporch!jackatak!root@network.ucsd.edu  
Subject: DSP-9 Filters (and others) -- New Thread  
To: info-hams@ucsd.edu

The thread of DSP-9 (etc) Digital Filters and bandwidth/ringing has pretty well wound down, and while I do not mean to fire that discussion up, I am seeking information on a different aspect of these lovely little devices:

Several hams using these filters have reported problems, both on the Nets and to the manufacturers, when engaging both the Heterodyne (tone) processing filter \*AND\* the random noise filter. The audio becomes distorted.

A Ham from Louisiana offered the suggestion, that had been offered him and seemed to work well, that the unit would work OK if the operator would simply turn off their tranceiver's speech processor.

There followed a VERY heated argument about how the speech processing circuit processes OUTBOUND audio only and has NOTHING to do with the INBOUND audio going to the processor. However, when the (RF) Speech Processors were turned off, the DSP-9 (and DSP-59 and a few other brands as well) \*ALL\* responded as they were supposed to...

The question was immediately raised: "What could the (RF) speech processor have to do with the incoming audio?"

I speculated, and am seeking confirmation here, that the \*RF\* speech processor circuitry is engaged all the time the "compression" button is

engaged, that unlike the final amp which is biased to cut-off, the speech processor runs, with no input, all the time. This would explain why the simple turning-off of the processor eliminates the problem, as does moving the DSP unit OFF the top of the radio and placing it a few feet away.

A glance at the block diagram of my rig and a quick look at the schematic seems to bear this hypothesis out, but I am still unsure and seek additional input and thought...

The real motive is: I have a DSP-9 that I intend to install in my mobile, but I have NO CHOICE about where to position the unit -- it MUST go right on top of the transceiver or not at all. I do NOT use a speech processor for a variety of reasons, but some of my co-pilots do...

So, anyone care to show me the error of my thinking? Confirm my wild-ass guess? Hit the "N"? Add me to the .killfile?

73,

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657 -- all from the mobile! ;^)

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+-----+
| Jack GF Hill      |Voice: (615) 459-2636 -           Ham Call: W4PPT |
| P. O. Box 1685    |Modem: (615) 377-5980 -   Bicycling and SCUBA Diving |
| Brentwood, TN 37024|Fax:   (615) 459-0038 -           Life Member - ARRL |
| root@jackatak.raider.net - "Plus ca change, plus c'est la meme chose" |
+-----+
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Date: Thu, 27 Jan 1994 00:50:47 GMT

From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
cs.utexas.edu!swrinde!ringer!lonestar.utsa.edu!tjenn@network.ucsd.edu

Subject: help with ft690r

To: [info-hams@ucsd.edu](mailto:info-hams@ucsd.edu)

i had to replace the final trans. on my ft690r  
and forgot where a capacitor and a resistor went  
would anyone have a schematic or have a ft 690r  
that they could look at and tell me?

i also managed to break a wire loose too,  
one end is conected to a post at th rear  
cornner near the final trans. and goes towards the  
side by the standby jack, its a toroidal choke.

help if you can

thanks

terrance

n5vzu

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Date: Wed, 26 Jan 94 21:54:39 -0500  
From: nntp.ucsb.edu!library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
noc.near.net!news.delphi.com!usenet@network.ucsd.edu  
Subject: No-Code Tec. license  
To: info-hams@ucsd.edu

<Graylan\_Vincent@walnut.prs.k12.nj.us> writes:

>know code well) and someone showed me a book. I think it was called  
>"Now Your Talking", but I'm not sure. I really want to find out how to get  
>started with some cheap, but good equipment. What is the name of the  
>booklet at Radio Shack that I can get?

Graylan -- You have it correct -- the book is "Now You're Talking," and it  
is available at many Radio Shacks (as well as direct from the American Radio  
Relay League). Radio Shack also has some other license preparation material,  
but I think this is the best one.

There  
is nothing wrong with starting with a No-Code Tech. license (that's the way  
most people are starting these days), but try to learn the CW. Radio Shack  
has some good CW tapes from Gordon West, and it's really not hard if you keep  
at it. The biggest thing to know is that EVERYBODY hits a couple of plateaus  
in learning CW where it seems as though you're not picking anything up, and are  
even having difficulty with what you already learned. The first two times I  
tried to learn CW, I hit these plateaus, thought I couldn't learn it, and quit.  
In fact, after one of these plateaus, you tend to pick things up pretty easily  
for the next few sessions. It's almost like your brain is just taking time to  
really absorb what you've learned.

Good luck!

73 (best wishes) de (from) Lee/KE3FB in Md.  
leevankoten@delphi.com

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End of Info-Hams Digest V94 #86

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